

Docket No.: LEDGE-002
Inventor: David S. Goldberg

AMENDMENT IN THE CLAIMS

Claim 1 (currently amended):

A mop head comprising:

a mop head coupling element;

at least two cords, each of said at least two cords comprising a plurality filaments twisted together into a bundle, each of a said plurality of filaments are of a denier from about 0.02 to about 0.99;

each of said plurality of filaments is a filament formed by extruding a precursor material to form a precursor filament and treating said precursor filament to split to comprise a core member, a plurality of projections emanating from said core member, and a wedge-shaped insert disposed between every other projection; and wherein each of said at least two cords includes at least one end and further wherein each of said at least two cords are bundled together at their ends and are secured to said mop head coupling element. arranged side by side and generally parallel to one another defining a layer of cords, wherein at least one cord is formed by twisting at least two filaments together, the filaments being less than 1 denier.

Claims 2-40 (canceled)

Claim 41 (new)

The mop head of claim 1, wherein said precursor material is a combination of polyester and nylon.

Claim 42 (new):

The mop head of claim 41, wherein said precursor material is about 70 percent to about 90 percent polyester and about 10 percent to about 30 percent nylon.

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Claim 43 (new):

The mop head of claim 42, wherein each of said at least two cords includes two ends which are each secured to said mop head coupling element forming each of said at least two cords into a loop.

Claim 44 (new):

The mop head of claim 43, wherein about 2 to about 500 cords are secured to said coupling element.

Claim 45 (new):

The mop head of claim 41, wherein said treatment includes acid treatment.

Claim 46 (new):

The mop head of claim 1, wherein each of said at least two cords is treated with at least one solution of the group consisting of an antibacterial solution, a fungicide, a cleaning solution, a deodorant, a perfume and a coloring agent.

Claim 47 (new):

The mop head of claim 1, wherein from about 1,000 to about 50,000 filaments are twisted together to form each of said at least two cords.

Claim 48 (new):

A mop head comprising:

a mop head coupling element;
from about 2 to about 500 cords, each of said cords comprising a plurality of filaments twisted together into a bundle from said cord, each of a said plurality filaments are of a denier from about 0.02 to about 0.99;

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each of said plurality of filaments is a filament formed by spin-extruding a precursor material comprising a combination from about 70 percent to about 90 percent polyester and about 10 percent to about 30 percent nylon to form a precursor filament, acid treating said precursor filament to split said precursor filament to comprise a core member, a plurality of projections emanating from said core member, and a wedge-shaped insert disposed between every other projection; and

wherein each of said cords includes an end that is secured to said mop head coupling element.

Claim 49 (new):

The mop head of claim 48, wherein each of said at least two cords is treated with at least one solution of the group consisting of an antibacterial solution, a fungicide, a cleaning solution, a deodorant, a perfume and a coloring agent.

Claim 50 (new):

The mop head of claim 48, wherein from about 1,000 to about 50,000 filaments are twisted together to form each of said at least two cords.

Claim 51 (new):

A mop head comprising:

a surface;

at least two cords, each of said at least two cords comprising a plurality of filaments twisted together into a bundle forming said cord, each of a said plurality filaments are of a denier from about 0.02 to about 0.99;

each of said plurality of filaments is a filament formed by spin-extruding a precursor material comprising a combination from about 70 percent to about 90 percent polyester and about 10 percent to about 30 percent nylon to form a precursor filament, acid treating said precursor filament to split said precursor filament to comprise a core

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member, a plurality of projections emanating from said core member, and a wedge-shaped insert disposed between every other projection; and

wherein each of said at least two cords includes an end that is secured to said surface.

52 (new):

The mop head of claim 51, wherein about 2 to about 500 cords are secured to said coupling element.

53 (new):

The mop head of claim 51, wherein from about 1,000 to about 50,000 filaments are twisted together to form each of said at least two cords.

54 (new):

The mop head of claim 51, wherein each of said at least two cords is treated with at least one solution of the group consisting of an antibacterial solution, a fungicide, a cleaning solution, a deodorant, a perfume and a coloring agent.